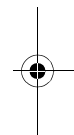
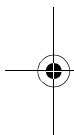




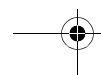
**OPTIMUS®**



**32-Minute Digital  
Recorder**  
with VOX



**Owner's Manual**  
Please read before using this equipment.



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used by Tandy Corporation.

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## **Features**

Your Optimus 32-Minute Digital Recorder is lightweight, compact, and easy to operate. You can use it to record up to 198 messages using solid-state flash memory so you never need tape. Its supplied carrying pouch lets you take it almost anywhere!

Your recorder has these features:

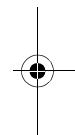
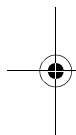
**Flash Storage Memory** — digital recording means no tapes to load or break.

**32-Minute Record/Play** — lets you record and store messages in two separate storage areas, letting you store notes on different subjects separately.



**VOX** — lets you set the recorder to automatically record when it picks up sound and stop after a few seconds of silence.

**Remaining/Elapsed Time Indicator** — lets you see how much recording time is left and how much you have already used.

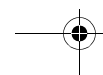
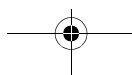






**Message Erase** — makes it easy to erase individual messages you no longer want.

**Liquid-Crystal Display** — makes reading information easy in low-light situations.



**Built-In Microphone** — lets you conveniently record anywhere.

**Earphone Jack** — lets you use an earphone (not supplied) for private listening.

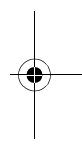
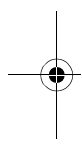






14-I171A.fm Page 6 Thursday, March 23, 2000 4:00 PM








**External Microphone Jack** — lets you use an optional external microphone to extend your recording range.





6

*Features*



## **FCC Information**

This equipment complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- reorient or relocate the receiving antenna
- increase the distance between the equipment and the radio or TV

Consult your local RadioShack store if the problem still exists.

## **Preparation**

### **INSTALLING BATTERIES**

You can power the recorder using two AAA batteries (not supplied). For the best performance and longest life, we recommend RadioShack alkaline batteries.


Follow these steps to install the batteries.

1. Remove the battery compartment cover by sliding it in the direction of the arrow.
2. Insert batteries in the compartment as indicated by the polarity symbols (+ and –) marked inside.

**Cautions:**

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

3. Replace the cover.

When  flashes on the recorder's display, replace the batteries.

**Warning:** Dispose of old batteries properly; do not bury or burn them.

**Cautions:**

- Never leave dead or weak batteries in the recorder. Batteries can leak

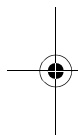


chemicals that can damage the recorder's electronic parts.

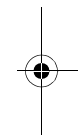


- If you do not plan to use the recorder for several days, remove the batteries.

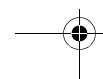
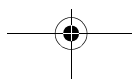
**Note:** Do not replace the batteries while the recorder is recording or playing. All recorded information and stored settings might be lost.



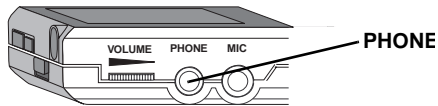
## USING AN EARPHONE



For private listening, plug an optional earphone with a  $\frac{1}{8}$ -inch (3.5-mm) plug into the recorder's **PHONE** jack. This automatically disconnects the recorder's internal



speaker. Your local RadioShack store has a wide selection of earphones.



### Listening Safely

To protect your hearing, follow these guidelines when you use earphones.

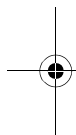
- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.



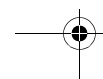
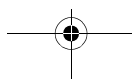
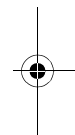
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.



### **Traffic Safety**



- Do not wear an earphone while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and could be illegal in some areas.
- Even though some earphones let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.



## USING AN EXTERNAL MICROPHONE

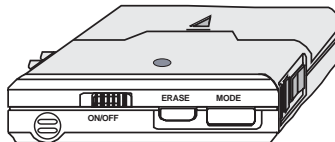
To record using an optional external microphone, plug the microphone into the **MIC** jack. This automatically disconnects the built-in microphone.

**Note:** Your local RadioShack store has a wide selection of microphones designed specifically for recorders.

## **Operation**

### **TURNING THE RECORDER ON/OFF**

**Note:** The recorder is not preset to use voice-activated recording (see “Voice Activated (VOX) Recording” on Page 16). The recorder is preset to select Folder A (see “Selecting a Folder” on Page 15).

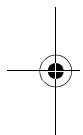


To turn on the recorder, slide **ON/OFF** to **ON**. Slide **ON/OFF** to **OFF** to turn the recorder off.



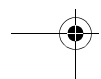
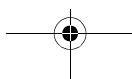
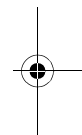
## RECORDING MESSAGES

You can record using the VOX feature (see "Voice Activated (VOX) Recording" on Page 16), or you can manually record using **RECORD/STOP** (see "Manual Recording" on Page 17).





## Selecting a Folder





The recorder has two memory storage areas: Folder A and Folder B. You can store up to 16 minutes of recording in each folder. The recorder is preset to select Folder A.



Follow these steps to select a folder.

1. Repeatedly press **MODE** until **FILE** appears.
2. Repeatedly press **SEARCH**  or **SEARCH**  to select the desired folder (**A** or **B**).
3. Press **MODE**.

### Voice Activated (VOX) Recording

To set the recorder to automatically start and stop recording based on sound it detects, press **MODE**, repeatedly press **SEARCH**  or **SEARCH**  until **ON** appears, then press **MODE**. To turn off VOX recording, press **MODE**, repeatedly press **SEARCH**  or  until **OFF** appears, then press **MODE**.

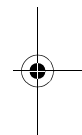
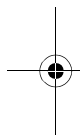


**Note:** The built-in automatic level control (ALC) automatically sets the recording level once recording starts.



## Manual Recording

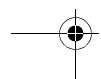
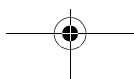
To record manually, select the folder you want to use (see "Selecting a Folder" on Page 15) then press **RECORD/STOP**. The recorder sounds a tone. When you hear the tone, speak into the built-in microphone.



As you record, **REC** flashes and the current message number appears. The **Sec** digit counts upward as recording continues.

### Notes:

- When you begin recording in the folder you selected, the recorder

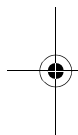




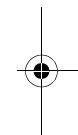
assigns a number to your recording and displays the number on the display. The count starts at 1. Each time you end a message and start a new one, the count increases, up to 99.



- The built-in audio level control automatically sets the recording level.



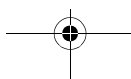
To record another message, press **RECORD/STOP**. The message number increases by one and the new message is saved after any messages you have already recorded.



To stop manual recording, press **RECORD/STOP**.

### Recording Distance

For normal voice levels, place the recorder 5 to 9 inches (13 to 23 cm) from the

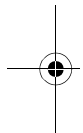




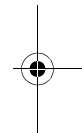
audio source (person speaking, for example). To find the optimum distance between the recording source and the recorder, experiment with various distances.



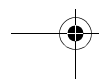
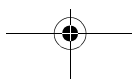
## PLAYING BACK MESSAGES



Your recorder has several options for playing back your messages. You can play the most recent message and go directly from playback to recording. You can also fast-forward through messages or skip backward or forward to the desired message.



*To play back a message you recorded, press **PLAY/STOP**. The recorder beeps once, plays back the most recent message, then beeps again.*





During playback, **PLAY** flashes and the time remaining in the current message counts down.

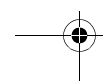
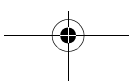
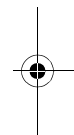


*To go directly from playback to recording, press **RECORD/STOP** while playing back a message. The recorder stops playback and starts recording. The new message is appended to the end of all previously recorded messages.*





### **Fast Forward/Rewind**



During playback, press **SEARCH ▲** to play forward or **SEARCH ▼** to play backward quickly. Press **SEARCH ▲** or **SEARCH ▼** again to resume normal speed.



## Skiping Messages

If you are not playing a message, you can skip forward or backward to find a specific message number.

*To skip the current message and go to the previous message, press **PLAY/STOP** (if you are playing back a message), press **SEARCH**  or **SEARCH** , then press **PLAY/STOP**. The recorder beeps and the message number changes.*

*To skip the current message and go to the next message, press **PLAY/STOP** (if you are playing back a message), press **SEARCH**  or **SEARCH** , then press **PLAY/STOP**. The recorder beeps and the message number changes.*

**Note:** If you do not press **PLAY/STOP** to stop playback, the recorder automatical-



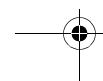
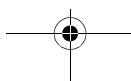
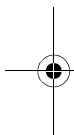
ly plays back all messages after the one you select.



## USING INTRO SCAN




Follow these steps to set the recorder to play the first 5 seconds of each message.

1. If you are playing back a message, press **PLAY/STOP**.
2. Press **MODE** twice, repeatedly press **SEARCH ▲** or **SEARCH ▼** until **ON** appears, then press **MODE**.
3. Press **PLAY**. The recorder plays the first 5 seconds of each message, starting from the current message to the last message.



## LOCKING A MESSAGE

You can lock and unlock any stored messages. Follow these steps to lock a message so the recorder will not accidentally erase it.

1. If you are playing back a message, press **PLAY/STOP**.
2. Select the message you want to lock (see "Skipping Messages" on Page 21).
3. Repeatedly press **MODE** until  appears.
4. Repeatedly press **SEARCH**  or **SEARCH**  until **ON** appears. The recorder locks the message you selected.

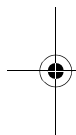


5. Repeat Steps 1–4 for each message you want to lock.

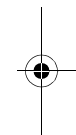


6. To unlock a message, repeat Steps 1–3, repeatedly press **SEARCH** ▲ or **SEARCH** ▼ until **OFF** appears, then press **MODE**. The recorder unlocks the message you selected.

## ERASING MESSAGES

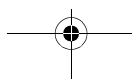


You can erase an individual message or all the messages in a folder.



### Erasing a Single Message

1. Select the message you want to erase (see “Skipping Messages” on Page 21).
2. Hold down **ERASE** for about 1 second. The erase icon flashes.



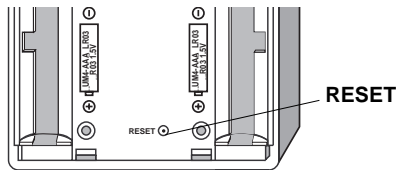
3. Press **ERASE**. The recorder beeps and erases the message, renumbering the remaining messages.

### Erasing All Messages in a Folder

1. Select the folder that contains the messages you want to erase (see "Selecting a Folder" on Page 15).
2. Hold down **ERASE** for about 3 seconds. The erase icon flashes and **ALL** appears.
3. Press **ERASE** again. The recorder beeps and erases all messages in the folder you selected (except any message you locked).

## RESETTING THE RECORDER

If your recorder is exposed to a strong static electrical charge, the recorder might lock up or the display might dim. This rarely happens, but if it does, reset the recorder by pressing the reset button inside the battery compartment. All settings return to the preset values.



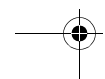
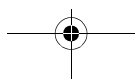
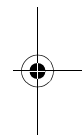
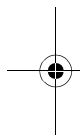
**Note:** Resetting the recorder does not erase any messages you stored.



## REFORMATTING THE RECORDER

After a prolonged period of usage, you might not be able to use all of your recorder's recording time. If this happens, reformat the recorder by holding down **ERASE** and **MODE** then pressing **RESET**.

**Caution:** Reformatting the recorder erases all messages stored in the recorder.



## **Care**

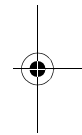
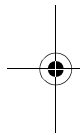
To enjoy your 32-Minute Digital Recorder for a long time:

- Keep the recorder dry. If it gets wet, wipe it dry immediately.
- Use and store the recorder only in normal temperature environments.
- Handle the recorder gently and carefully. Do not drop it.
- Keep the recorder away from dust and dirt.
- Wipe the recorder with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the recorder's internal components can cause a malfunction and might invalidate its war-

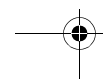
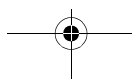


arranty and void your FCC authorization to operate it. If your recorder is not performing as it should, take it to your local RadioShack store for assistance.



Care

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## **Specifications**

Recording System ..... Built-In Flash Memory  
Recording Time ..... 32 Minutes  
Frequency Response: 300–1550 Hz @-6 db  
Speaker Diameter 1.18 in  
(30 mm)  
Output Power ..... 125 mW  
Power Requirement ..... 2 AAA Batteries  
Battery Life ..... 4 Hours (Playback)  
5 Hours (Record)  
Dimension (HWD) .....  $2\frac{3}{16} \times 3\frac{9}{16} \times \frac{9}{16}$  in  
(55 × 91 × 15 mm)  
Weight (without battery) ..... 1.7 oz  
(48 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.



### Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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